

**UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
MLRA REGION 11
Indianapolis, Indiana 46278**

**“DRAFT”FIRST AMENDMENT to the
FEBRUARY 1979 CLASSIFICATION AND CORRELATION
of the SOILS of LAPORTE COUNTY, INDIANA**

OCTOBER 2004

This amendment results from recertifying the SSURGO data of the LaPorte County Soil Survey, the update of the NASIS database, and conforming to the Keys to Soil Taxonomy, 9th Edition, 2003.

AMENDMENT NO. 3

Page 5 - Addition

-Map Unit Symbol and Name: W - Water

Add the map unit symbol name "W - Water" for water areas less than 40 acres in size and water areas more than 40 acres in size.

-Map Unit Symbol and Name: Usl - Udorthents, rubbish

Add the map unit symbol name "Usl – Udorthents, rubbish" for landfills that are more than 1.43 acres in size.

Page 8 – Replace the 37A dated 12/1/77, with the attached Indiana Official 37A for Compilation, Digitizing, and DMF, Revised June 30, 2004.

Only the following standard soil survey features will be shown on the legend and placed on the digitized soil maps:

<u>Feature</u>	<u>Name</u>	<u>Description</u>
BLO	Blowout	A small saucer, cup, or through-shaped hollow or depression formed by wind erosion, on a pre-existing sand deposit. Typically 0.2 to 2 acres.
ERO	Severely eroded spot	An area where on the average 75 percent or more of the original surface layer has been lost because of accelerated erosion. Not used in map units that are named severely eroded, very severely eroded, or gullied. Typically 0.2 to 2 acres.
GPI	Gravel pit	An open excavation from which soil and underlying material have been removed and used, without crushing, as a source of sand or gravel. Typically 0.2 to 2 acres.
GRA	Gravelly spot	A spot where the surface layer has more than 35 percent, by volume, rock fragments that are mostly less than 3 inches in diameter in an area with less than 15 percent fragments. Typically 0.2 to 2 acres.
GUL	Gully	A small channel with steep sides cut by running water through which water ordinarily runs only after a rain, or after ice or snow melts. It generally is an obstacle to wheeled vehicles and is too deep to be obliterated by ordinary tillage.

<u>Feature</u>	<u>Name</u>	<u>Description</u>
MAR	Marsh or swamp	A water-saturated, very poorly drained area, intermittently or permanently covered by water. Marsh areas are dominantly vegetated by sedges, cattails, and rushes. Swamps are dominantly vegetated by trees or shrubs. Typically 0.2 to 2 acres.
SAN	Sandy spot	A spot where the surface layer is loamy fine sand or coarser in areas where the surface layer of the named soils in the surrounding map unit is very fine sandy loam or finer. Typically 0.2 to 2 acres.
SLP	Short, steep slope	Narrow soil area that has slopes that are at least two slope classes steeper than the slope class of the surrounding map unit.
WET	Wet spot	A somewhat poorly drained to very poorly drained area that is at least two drainage classes wetter than the named soils in the surrounding map unit. Typically 0.2 to 2 acres.

Only the following ad hoc features will be shown on the legend and placed on the digitized soil maps:

<u>Label</u>	<u>Symbol ID</u>	<u>Name</u>	<u>Description</u>
MRL	35	Marl spot	An area where the mineral or muck surface has been eroded or removed, exposing marl at the surface. Typically 0.2 to 2 acres.
MUC	30	Muck spot	An area within a poorly drained or very poorly drained soil that has a histic epipedon or where the surface is organic. The spot symbol is used only in map units consisting of mineral soil. Typically 0.2 to 2 acres.
SAM	38	Small dam	Small, earthen dam. Typically 0.2 to 2 acres.
UWT	44	Unclassified water	Small, natural or man-made lake, pond, or pit that contains water, of an unspecified nature, most of the year. Typically 0.2 to 2 acres.

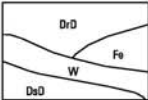

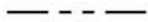


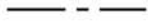























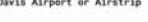

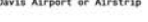



















































Soil Survey Area: LaPorte County

State: Indiana

FEATURE AND SYMBOL LEGEND FOR SOIL SURVEY

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

Date: _____

DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL
SOIL SURVEY FEATURES		CULTURAL FEATURES (Optional)		HYDROGRAPHIC FEATURES (Optional)	
SOIL DELINEATIONS AND LABELS		BOUNDARIES		Drainage end (indicates direction of flow)	
STANDARD LANDFORM AND MISCELLANEOUS SURFACE FEATURES		National, state or province		Unclassified stream	
Bedrock escarpment		County or parish			
Nonbedrock escarpment		Minor civil division			
Gully		Reservation (Military)			
Levee		Land grant (Optional)			
Short steep slope		Field sheet matchline and neatline			
Blowout		Public Land Survey System Section Corner Tics			
Borrow pit					
Clay spot		GEOGRAPHIC COORDINATE TICK			
Closed depression		ROAD EMBLEMS			
Gravel pit		Interstate			
Gravelly spot		Federal			
Landfill		State			
Marsh or swamp					
Mine or quarry		LOCATED OBJECTS			
Rock outcrop		Airport (Label only)			
Sandy spot		Davis Airport or Airstrip			
Severely eroded spot					
Sinkhole					
Slide or slip					
Spoil area					
Stony spot					
Very stony spot					
Wet spot					
AD HOC FEATURES (Describe on back)					
LABEL	SYMBOL ID	SYMBOL	LABEL	SYMBOL ID	SYMBOL
DCS	1		CRO	23	
DKS	2		WIA	24	
OVW	3		COM	25	
VMS	4		HIL	26	
EAS	5			27	
WAS	6		SID	28	
SAS	7			29	
CAF	8		WUC	30	
CAL	9			31	
SLR	10			32	
DUN	11			33	
BRV	12			34	
BRW	13		WRL	35	
BRD	14			36	
OBR	15			37	
SSR	16		SAM	38	
LSR	17			39	
WDP	18		VSE	40	
SBR	19			41	
COB	20			42	
CNS	21			43	
FES	22		UNT	44	

Pages 16-17 – Replace the Classification of the Soils table with the following:

LaPorte County, Indiana

Print date: 06/28/2004

Table 4.--Classification of the Soils

(An asterisk in the first column indicates a taxadjunct to the series. See text for a description of those characteristics that are outside the range of the series.)

Soil name	Family or higher taxonomic class
Adrian-----	Sandy or sandy-skeletal, mixed, euic, mesic Terric Haplosaprists
Aquolls-----	Aquolls
Blount-----	Fine, illitic, mesic Aeric Epiaqualfs
Bourbon-----	Coarse-loamy, mixed, active, mesic Aquultic Hapludalfs
Brems-----	Mixed, mesic Aquic Udipsamments
Cheektowaga-----	Sandy over clayey, mixed, active, mesic Typic Epiaquolls
Chelsea-----	Mixed, mesic Lamellic Udipsamments
*Cohoctah-----	Coarse-loamy, mixed, active, mesic Fluvaquentic Endoaquolls
Coupee-----	Fine-loamy over sandy or sandy-skeletal, mixed, active, mesic Ultic Hapludalfs
Edwards-----	Marly, euic, mesic Limnic Haplosaprists
Elston-----	Coarse-loamy, mixed, active, mesic Typic Argiudolls
Fluvaquents-----	Fluvaquents
Gilford-----	Coarse-loamy, mixed, superactive, mesic Typic Endoaquolls
Hanna-----	Coarse-loamy, mixed, active, mesic Aquultic Hapludalfs
Histosols-----	Haplosaprists
*Homer-----	Fine-loamy over sandy or sandy-skeletal, mixed, active, mesic Aeric Endoaqualfs
Houghton-----	Euic, mesic Typic Haplosaprists
Martisco-----	Fine-silty, carbonatic, mesic Histic Humaquepts
Maumee-----	Sandy, mixed, mesic Typic Endoaquolls
Maumee variant-----	Sandy, mixed, mesic Typic Endoaquolls
Milford-----	Fine, mixed, superactive, mesic Typic Endoaquolls
Morley-----	Fine, illitic, mesic Oxyaquic Hapludalfs
Morocco-----	Mixed, mesic Aquic Udipsamments
Muskego-----	Coprogenous, euic, mesic Limnic Haplosaprists
*Newton-----	Sandy, mixed, mesic Typic Humaquepts
Oakville-----	Mixed, mesic Typic Udipsamments
*Palms-----	Loamy, mixed, euic, mesic Terric Medisaprists
Pewamo-----	Fine, mixed, active, mesic Typic Argiaquolls
Pinhook-----	Coarse-loamy, mixed, superactive, mesic Mollic Endoaqualfs
Pipestone-----	Sandy, mixed, mesic Typic Endoaquods
Quinn-----	Coarse-loamy, mixed, active, mesic Typic Endoaqualfs
Riddles-----	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Saugatuck-----	Sandy, mixed, mesic, ortstein, shallow Typic Duraquods
Sebewa-----	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Typic Argiaquolls
Selfridge-----	Loamy, mixed, active, mesic Aquic Arenic Hapludalfs
Suman-----	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Fluvaquentic Endoaquolls
Tracy-----	Coarse-loamy, mixed, active, mesic Ultic Hapludalfs
*Troxel-----	Fine-silty, mixed, superactive, mesic Typic Argiudolls
Tyner-----	Mixed, mesic Typic Udipsamments

Udorthents, loamy-----	Udorthents
*Wallkill-----	Fine-loamy, mixed, superactive, nonacid, mesic Histic Humaquepts
*Warners-----	Fine-silty, carbonatic, mesic Fluvaquentic Endoaquolls
*Washtenaw-----	Fine-loamy, mixed, active, nonacid, mesic Aeric Fluvaquents
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Approval Signatures

TRAVIS NEELY
 State Soil Scientist/MLRA Leader

JANE HARDISTY
 State Conservationist